

SEQUENCE LISTING

<110> Sasaki, Yukiko  
Nagano, Yukio  
Inaba, Takehito

<120> Light Repressible Promoter

<130> 46216

<140> US 09/700,187

<141> 2000-11-13

<150> PCT/JP00/01269

<151> 2000-3-03

<160> 40

<170> PatentIn ver. 2.0

<210> 1

<211> 12

<212> DNA

<213> Pisum sativum cv. Alaska

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<223> Nucleotide sequence for a core region of light repressible promoter from the pea small GTPase gene

<400> (1)  
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<213> Pisum sativum cv. Alaska

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<223> Nucleotide sequence for a cis element of light repressible promoter from the pea small GTPase gene

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<210> 3

<211> 2325

<212> DNA

<213> *pisum sativum* cv. Alaska

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<223> Nucleotide sequence for a light repressible promoter from the pea small GTPase gene

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<211> 30

<212> DNA

<213> Artificial Sequence

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<223> Primer used in Example 1

<400> 4

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<210> 5

<211> 22

<212> DNA

<213> Artificial Sequence

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<223> NcoI primer used in Example 3

<400> 5  
ggtccatggt cttgtcaaga tc 22

<210> 6

<211> 21

<212> DNA

<213> Artificial Sequence

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<223> Primer used for preparing PL1 in Example 3

<400> 6  
gggaagctt aaaggcaagg g 21

<210> 7

<211> 23

<212> DNA

<213> Artificial Sequence

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<223> Primer used for preparing PL3 in Example 3

<400> 7  
acgtaaagct taaaaattca ccc 23

<210> 8

<211> 25

<212> DNA

<213> Artificial Sequence

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<223> Primer used for preparing PL4 in Example 3

<400> 8  
aaataaagct taaaagtaac acata 25

<210> 9  
<211> 27  
<212> DNA  
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<223> Primer used for preparing PL4B in Example 3  
<400> 9  
gtactgcagt cagacatgat taacaag 27  
<210> 10  
<211> 24  
<212> DNA  
<213> Artificial Sequence  
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<223> Primer used for preparing PL5 in Example 3  
<400> 10  
aaagaagctt ggttagccaa acaa 24  
<210> 11  
<211> 30  
<212> DNA  
<213> Artificial Sequence  
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<223> Primer used for preparing LS1 in Example 3  
<400> 11  
aagcttctgc agggatttta cagtaataaa 30  
<210> 12  
<211> 35  
<212> DNA  
<213> Artificial Sequence  
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<223> Primer used for preparing LS2 in Example 3  
<400> 12  
aagcttgtct gactgcagta cagtaataaa gaaac

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<210> 13
<211> 42
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<223> Primer used for preparing LS3 in Example 3
<400> 13
aagcttgtct gaggattct gcagaataaa gaaacgaggt ag 42
<210> 14
<211> 48
<212> DNA
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<223> Primer used for preparing LS4 in Example 3
<400> 14
aagcttgtct gaggattta cagtctgcag gaaacgaggt agcccaa 48
<210> 15
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<223> Primer used for preparing LS5 in Example 3
<400> 15
aagcttgtct gaggattta cagtaataaa ctgcagaggt agccaaaca ag 52
<210> 16
<211> 30
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<223> Primer used for preparing PL2 in Example 3
<400> 16
tcaatgggac acgctgcctg accaccatgt 30
<210> 17

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<211> 31

<212> DNA

<213> Artificial Sequence

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<223> pUC19 primer used in Example 3

<400> 17  
ggcgtaatca tggtcatagc tgtttcctgt g 31

<210> 18

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer used for preparing PL6 in Example 3

<400> 18  
tgtcggtgca aaaaatgaaa ccccaaactt 30

<210> 19

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer used for preparing PL7 in Example 3

<400> 19  
aatgtttatc cttgcacac atttcacatc 30

<210> 20

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer used for preparing PL8 in Example 3

<400> 20  
gcaaaaacatc acaacctcta gaaac 25

<210> 21

<211> 39

<212> DNA

<213> Artificial Sequence

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<223> Primer used for preparing PL4c in Example 3

<400> 21  
gtttggctgc agtcgttct ttattactgt aaaatcctc 39

<210> 22

<211> 39

<212> DNA

<213> Artificial Sequence

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<223> Primer used for preparing PL4C in Example 3

<400> 22  
caatactgca gtataatgtta tgatataata tgcgc 39

<210> 23

<211> 25

<212> DNA

<213> Artificial Sequence

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<223> gF primer used for preparing gF1 in Example 3

<400> 23  
tactgcagaa aagtaacaca tattt 25

<210> 24

<211> 31

<212> DNA

<213> Artificial Sequence

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<223> Primer used for preparing gF1 in Example 3

<400> 24  
tggtgatatt gtttagatat catattattg c 31

<210> 25

<211> 24

<212> DNA

<213> Artificial Sequence

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<223> Primer used for preparing GF2 in Example 3

<400> 25  
atgatatcca agggatttgg aaat 24

<210> 26

<211> 26

<212> DNA

<213> Artificial Sequence

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<223> Primer used for preparing GF3 in Example 3

<400> 26  
gtgatatcggtataaacatt ttaagg 26

<210> 27

<211> 24

<212> DNA

<213> Artificial Sequence

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<223> Primer used for preparing GF4 in Example 3

<400> 27  
ttgatatccc gacaaagatc acac 24

<210> 28

<211> 24

<212> DNA

<213> Artificial Sequence

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<223> Primer used for preparing gF5 in Example 3

<400> 28  
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<210> 29

<211> 31

<212> DNA

<213> Artificial Sequence

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<223> Synthetic DNA WT1 used in Example 8

<400> 29  
gtctgaggat tttacagtaa taaagaaacg a 31

<210> 30

<211> 31

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic DNA WT2 used in Example 8

<400> 30  
tcgtttcttt attactgtaa aatcctcaga c 31

<210> 31

<211> 31

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<223> Synthetic DNA MT1 used in Example 8

<400> 31  
gtctgaggct tttcccgtaa taaagaaacg a 31

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<223> Synthetic DNA MT2 used in Example 8

<400> 32  
tcgtttcttt attacggaa aagcctcaga c 31

<210> 33

<211> 55

<212> DNA

<213> Artificial Sequence

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<223> Primer 35S46UP used in Example 9

<400> 33  
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<210> 34

<211> 30

<212> DNA

<213> Artificial Sequence

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<223> Primer KZ35SDW used in Example 9

<400> 34  
ttccatggaa agctgcctag gagatccct 30

<210> 35

<211> 54

<212> DNA

<213> Artificial Sequence

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<223> Origonucleotide WT3 used in Example 9

<400> 35  
tgaggatttt acagtaattt gaggatttac agtaattttag gattttacag taat 54

<210> 36

<211> 53

<212> DNA

<213> Artificial Sequence

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<223> Origonucleotide WT4 used in Example 9

<400> 36  
attactgtaa aatcctcaat tactgtaaaa tcctcaatta ctgtaaaatc tca 53

<210> 37

<211> 26

<212> DNA

<213> Artificial Sequence

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<223> Primer 18X9RMDW used in Example 9

<400> 37  
gcgatatcct ggatcctgag gatttt 26

<210> 38

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Primer 18X9RMUP used in Example 9

<400> 38  
agcggccgcc agtgtggata tcattactgt 30

<210> 39

<211> 54

<212> DNA

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<223> Primer MT3 used in Example 9

<400> 39  
tgaggctttt cccgtaattg aggctttcc cgtaatttag gctttcccg taat 54

<210> 40

<211> 54

<212> DNA

<213> Artificial Sequence

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<223> Primer MT4 used in Example 9

<400> 40  
attacggaa aagcctcaat tacggaaaa gcctcaatta cggaaaagc ctca 54